

Form PTO-1449

INFORMATION DISCLOSURE
IN AN APPLICATION
(Use several sheets if necessary)
Docket Number (Optional)
APBI-P05-008Application Number
10/040,430Applicant
Crabtree et al.Filing Date
January 7, 2002Group Art Unit
1656

JUN 17 2002

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CM	AA	6,171,781	1/9/01	Crabtree et al.		
	AB	6,150,099	11/21/00	Crabtree et al.		
	AC	6,096,515	8/1/00	Crabtree et al.		
	AD	5,837,840	11/17/98	Crabtree et al.		
	AE	5,656,452	8/12/97	Rao et al.		

RECEIVED

JUN 21 2002

TECH CENTER 1600/2900

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
CM	AF	WO 95/08554	3/30/95	PCT			
	AG	WO 95/02053	1/19/95	PCT			
	AH	WO 94/15964	7/21/94	PCT			
	AI	WO 93/04203	3/4/93	PCT			

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages Etc.)

CM	AJ	Arai et al. U. S. Application No. 08/148,061 filed 1/5/93.
CM	AK	Arai et al. U. S. Application No. 08/113,971 filed 8/30/93.
CM	AL	Arai et al. U. S. Application No. 08/099,998 filed 7/30/93.
CM	AM	Arai et al. U. S. Application No. 08/088,483 filed 7/6/93.
CM	AN	Banerji, S. et al. The immunosuppressant FK-506 specifically inhibits mitogen-induced activation of the interleukin-2 promoter and the isolated enhancer elements NFIL-2A and NF-AT1. <i>Mol. Cell. Biol.</i> 11, 4074-4087 (1991).
	AO	Bierer, B. et al. Two distinct signal transmission pathways in T lymphocytes are inhibited by complexes formed between an immunophilin and either FK506 or rapamycin. <i>PNAS</i> 87, 9231-9235 (1990).
	AP	Clipstone, N. & Crabtree, G. Calcineurin is a key signaling enzyme in T lymphocyte activation and the target of the immunosuppressive drugs cyclosporin A and FK506. <i>Ann. N. Y. Acad. Sci.</i> 696, 20-30 (1993).
	AQ	Clipstone, N. & Crabtree, G. Identification of calcineurin as a key signaling enzyme in lymphocyte activation. <i>Nature</i> 357, 695-697 (1992).
CM	AR	Crabtree, G. Contingent genetic regulatory events in T lymphocyte activation. <i>Science</i> 243, 355-361 (1989).

**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**
(Use several sheets if necessary)

Docket Number (Optional)

APBI-P05-008

Application Number

10/040,430

Applicant

Crabtree et al.

Filing Date

January 7, 2002

Group Art Unit

1656

RECEIVED

Ch	AS	Crabtree, G. Pathways of T lymphocyte activation. <i>Abstract of NIH Grant No. R01CA39612</i> (1998).	JUN 21 2002
	AT	Crabtree, G. Pathways of T lymphocyte activation. <i>Abstract of NIH Grant No. R01CA39612</i> (1998).	TECH CENTER 1600/2900
	AU	Crabtree, G. & Clipstone, N. Signal transmission between plasma membrane and nucleus of T lymphocyte. <i>Ann. Rev. Biochem.</i> 63, 1045-1083 (1994).	
	AV	Durand, D. et al. Characterization of antigen receptor response elements within the interleukin-2 enhancer. <i>Mol. Cell. Biol.</i> 8, 1715-1724 (1988).	
	AW	Emmel, E. et al. Nuclear association of a T-Cell transcription factor blocked by FK-506 and cyclosporin A. <i>Nature</i> 352, 803-807 (1991).	
	AX	Flanagan, W. et al. Nuclear association of a T-cell transcription factor blocked by FK506 and cyclosporin A. <i>Nature</i> 352, 803-807 (1991).	
	AY	Ho, S. et al. Cloning and characterization of NF-ATc and NF-ATp: the cytoplasmic components of NF-AT. <i>Adv. Exp. Med. Biol.</i> 365, 167 (1994).	
	AZ	Israel, A. NF-AT comes under control. <i>Nature</i> 369, 443-444 (1994).	
	BA	Jain et al. Analysis of the preexisting and nuclear forms of nuclear factor of activated T cells. <i>J. Immunol.</i> 151, 837-848 (1993).	
	BB	Jain, J. et al. Nuclear factor of activated T cells contains Fos and Jun. <i>Nature</i> 356, 801-804 (1992).	
	BC	Jain et al. The T cell transcription factor NF-ATp is a substrate for calcineurin and interacts with Fos and Jun. <i>Nature</i> 365, 352-355 (1993).	
	BD	Jin, Y. et al. Molecular cloning of a membrane-associated human FK-506 and rapamycin-binding protein FKBP-13. <i>PNAS</i> 88, 6677-6681 (1991).	
	BE	Matilla, P. et al. The actions of cyclosporin A and FK506 suggest a novel step in the activation of T lymphocytes. <i>EMBO J.</i> 9, 4425-4433 (1990).	
	BF	McCaffrey et al. Isolation of the cyclosporin-sensitive T cell transcription factor NF-ATp. <i>Science</i> 262, 750-754 (1993).	
	BG	McCaffrey et al. NF-ATp, a T lymphocyte DNA-binding protein that is a target for calcineurin and immunosuppressive drugs. <i>J. Biol. Chem.</i> 268, 3747-3752 (1993).	
	BH	Northrop et al. Characterization of the nuclear and cytoplasmic components of the lymphoid-specific nuclear factor of activated T cells (NF-AT) complex. <i>J. Biol. Chem.</i> 268, 2917-2923 (1993).	
Ch	BI	Northrop et al. NF-AT components define a family of transcription factors targeted in T-Cell Activation. <i>Nature</i> 369, 497-502 (1994).	

**COPY OF PAPERS
ORIGINALLY FILED**

**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**
(Use several sheets if necessary)

Docket Number (Optional)
APBI-P05-008

Application Number
10/040,430

Applicant
Crabtree et al.

Filing Date
January 7, 2002

Group Art Unit
1656

cy	BJ	Rao, A. NF-AT: a transcription factor required for the co-ordinate induction of several cytokine genes. <i>Immunology Today</i> 15, 274-281 (1994).
	BK	Rao et al. U.S. Application No. 08/145,006, filed 5/11/93.
	BL	Rao et al. U.S. Application No. 08/017,052 filed 2/11/93.
	BM	Rao et al. U. S. Application No. 08/006,067 filed 1/15/93.
	BN	Riegel, J. et al. Nuclear Events after activation of CD4+8+ thymocytes. <i>J. Immunol.</i> 144, 6-3611-3618 (1990).
	BO	Shaw, J. et al. Identification of a putative regulator of early T cell activation genes. <i>Science</i> 241, 202-225 (1988).
	BP	Schmidt, A. et al. Inducible Nuclear Factor Binding to the kB elements of the human immunodeficiency virus enhancer in T cells can be blocked by cyclosporin A in a signal-dependent manner. <i>J. Virology</i> 64, 4037-4041 (1990).
	BQ	Schreiber, S. Chemistry and biology of the immunophilins and their immunosuppressive ligands. <i>Science</i> 251, 283-287 (1991).
CM	BR	Verweij, C. et al. Cell type specificity and activation requirements for NF-AT-1 (Nuclear Factor of Activated T-cells) transcriptional activity determined by a new method using transgenic mice to assay transcriptional activity of an individual nuclear factor. <i>J. Biol. Chem.</i> 265, 15788-15795 (15 September 1990).

EXAMINER

DATE CONSIDERED

Carlo M. M. M.

10-14-03

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

COPY OF PAPERS
ORIGINALLY FILED

RECEIVED

JUN 21 2002

TECH CENTER 1600/2900